Page 1 of 1 Searching PAJ

PATENT ABSTRACTS OF JAPAN

(11)Publication number:

08-109070

(43) Date of publication of application: 30.04.1996

(51)Int.Cl.

C04B 35/583 B01J 3/06 1/00

(21)Application number: 06-266187

(22)Date of filing: 05.10.1994 (71)Applicant: TOSHIBA TUNGALOY CO LTD (72)Inventor: YAMAZAKI HISASHI

UEHARA KAZUHITO

(54) HIGHLY HARD SINTERED COMPACT FOR TOOL AND ITS PRODUCTION

(57) Abstract:

PURPOSE: To provide a highly hard sintered compact for a tool having low specific resistance and capable of performing electrical-discharge machining even in the constituent region suitable for cutting of cast iron by including a large amount of non-conductive material comprising boron nitride of cubic system and aluminum oxide and/or aluminum nitride.

CONSTITUTION: This highly hard sintered compact for tools contains ≥85vol.% a non-conductive material comprising boron nitride of cubic system and aluminum oxide and/or aluminum nitride, and the remainders are a conductive material consisting mainly of titanium nitride and inevitable impurities. The boron nitride of cubic system is 30-80vol.% of the total sintered compact and specific resistance of the sintered compact is $\leq 10\Omega$ -cm. This compact has a low specific resistance and readily able to be electrically discharge machined in contrast to the conventional sintered compact highly containing nonconductive material, having high specific resistance, impossible of an electrically discharge machining, or practically unusable with generating exfoliation or fine defects even in a case of possible.

LEGAL STATUS

[Date of request for examination] [Date of sending the examiner's decision of 22.08.2001 11.04.2005

rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

Number of appeal against examiner's decision of rejection?

Date of requesting appeal against examiner's

decision of rejection]

[Date of extinction of right]